

### Abstract

Single line synchronization enables two or more oscillators to be synchronized with each other by using only a single control line. The synchronization  
5 can be accomplished without any external components. A single external component can be used to lower the frequency of an oscillator as in a master/slave-synchronized system. The use of the single control line (which can be embodied using a single integrated circuit pin) reduces the die area in which synchronization circuitry is situated. The single  
10 pin interface and reduced die area are advantageous for many applications that require small packages with a limited number of pins.